Notebook, N-10-12-00.2

7571

21 Hole 005" 1½. 3½ General flenke oxidized blanket Urun 100A - Red 64 ht - 24 No2 708 green wet with strong fluorescence of phoro. graphite, dried & powdered — 4 black acc 0085 7 flake — 24 green — mostly micro with particles almost to material not well covered —

21c/o ROA, 242 dumper Lot 7.815

7572 238 " Lot 7.876

7573 242 " Lot 7.804

3 flakes average 7.4
Urun " 23.8
#1033 Shipment

3) 23.495
7.832
7.663/4
1566
1497
4694
5.48324
5.1967

7574 Dup 7571

2% KOH 2 gms 2 c.c. each cell

Yellow average 7.4

Green " 23.8

=1033 Ellis's urea 244 dumpers COT 7.836

7575 — 238 " COT 7.734

7576 — 240 " COT 7.812

3 | 23382

7577

21 Holes 66's - 1½ 3½ general flake
Oxide — 7 flake 24 "Big Drum group

210 KOH Containing 1 gram Metallic Tantalum dissolved in Nitric acid in each cell.
Edison cell furnish it.

Flake average 7.4
Grain " 24 24/ dumped Lot 7.628
1033 Big iron.

7578 233 Lot 7.652

7579 232 Lot 7.715

Cancelled
Could not make spec. wt.

722987
7662
764
306
459
536
5185

7580.

21 Hole 005 - 1½ 3½ General Cooke 0050 - 7 flakes 24 708
Big Drum ground covered over with glucose - dried & screened thru 24 - To give porosity.
#1033 lbs mix
210 lbs ROH
5 flakes average 14 / 239 drop COF 7454
Screen " 241
7581 . 235 " COF 7.409
7582 . 233 . COF 7.426

3 | 22286
7429

7583 Dup 7580

2½% KOH 2 grms 1.00

Each cc

230 sample COF 7422

7584 226 " COF 7438

7585 — 234 " COF 7385

7586 -

21 Hole 005 - 1½ 3½
General file oxidized black
7 flake —

24 Black Oxide Nickel from action of Hypochlorite, on Nickel Chloride Nickel —
21% NOH —

3 Clarke average 7.4
Ni Chloride " 24.1 254 dumped lot 8.670
#1033 Billy wave

7587 244 " lot 7.939

7588 — . lot

Had to change slides, and run machine slow on account of the nickel being so light and bulky, as it would flow out from the plunger same down to tamp it.

Only had enough material for one tube, and will shy a little over on ⅛" on the second one.

7589 Dup 7588

Except use 708 grass coated with glucose — 18 grms glucose — 45 grms 708 grass — very sticky — WECC coated — dried on heated aluminum in Illinois — Screened —

21% KOH. To be soaked in water Containing 2% of KOH, 24 hours

Fiber average 7.4 220 dumped Wet 7.367

Prism " 24.1

7590. 214 " Wet 7.364

Edgrove

7591 215 " Wet 7.322

Water to be changed 3 times during that time — to soak out the glucose

7592 Dup 7589

Except 21% KOH 2grams ~~KOH~~

Each cell –

209 dumper COF 7.234

7593 211 " COF 7.156

7594 213 " COF 7.189

Soakout 1st

7595 Long Tubes

Loaded in big machine
21 flake 5/1000 Rogers Ground to 10/1000
Layer loading long tubes
General flake Rigidized black through
18 flake 24 green hydrogen

21% K.OH.

#2 wt 11.157

#3 7596 wt 11.042

#4 7097 wt 11.390

33589
11196
70
78372⁰

put up with 4 Chgd irons #

Notsure of wt flake

7598 Duplicate of 7595

Except

21% K.O.H. 2 grams Li. H. each Cell

wt 11.097

7599 wt 11.158

7600 wt 11012

3 | 33326 7

11,089

7623

Natsume of wt Blanks

7601

21 flats 005 1½ 3½

7 flake Gland edge —

Tossed 708 Big Drum soaked in Some Corrosive Sublimate at 190 about — Washed — Boiled KOH, 24 Mily —

21% KOH

Flakes average 7.4

Green " 23.9 267 sample lot 8.373

#1033 Big irons

7602 263 " lot 8.382

7603 267 " lot 8.294

Green pretty heavy.

7604 Dup 7601

21% KOH 2 gpm 2.0 ~~OH~~

Each cell —

262 dup LOT 8.266

7605 ~~260~~ LOT 8.186

7606 — 266 LOT 8.324

7607

21 Hole 005 1½ 3½ 7 flake
general oxide — 7 flake

24 Greenso added in saturated
Cobalt Selenium Thorium
Sulphate — Co washed dried
Cooked KOH.

21% KOH

7 flakes average 7.4
Green = 23.8 / .251 dumpy Lot 8,105
41 1032 Chg irons

7608 245 · Lot 8,056

7609 241 · Lot 8,045

7610 Dup 7607
21 g/o KOH. 2 grms ~~LiOH~~
Each case

247 Aliquot Lot 8.002
7611 236 " Lot 7.984
7612 231 " Lot 7.954

Long tubes

7613 —

Loaded in big Machine
21 Lbs 9/1000 Rogers ground to 10/1000
Layer loading long tube
general flake spidizell black run
through hydrogen 7 flake 24 green
big drum green #708

21% K.O.H.
put up with 4 irons

wt 10.564

7614 wt 10.792

7615 wt 10.686

3 | 32042
10681
774
42724
4276
7476
74709 4
8.26 74709
8.267

Long tube

7616

Duplicate of 7613

Except

21% K.O.H. 2 grams Li O.H. each Cell

	wt	10.779
7617	wt	10.738
7618	wt	10.667

3 | 32184
10728
774
4296
7596
7596
8.303 47

8.30

7619

21 Nob cor 1½ 3½ 7 ff gent oxdzd

9 grms soaked in Conc Sol Bismuth hydroxide in C.P. Chloride Ammonia only 20 cc added 5 minutes. Then washed three times little water, then dried at 160°C in N&H.

21% ROH.

Filters average 7.4
Grams " 24.1/250 aliquot Wt 8.380

#1033 Slip from

7620 245 " Wt 8.340

7621 239 " Wt 8.313

25033
8344
7639
4172
5006
5840
6138
1

7622 Dup 7619

2.1% KOH 2 gms KOH.

233 drops Lot 8.299

7623 230 " Lot 8.279

7624 236 " Lot 8.287

3 | 24865
8288

6.37

7625

Dup 7619

Except green was soaked
one hour in 8.0% NH4Cl
Sol - not washed out dried
& then boiled KOH.

21 % KOH

Flakes average 7.4
Green " 24.4 / 252 dumps LOT 8.064
#1032 Big irons
7626 250 " LOT 8.082
7627 24 " LOT 8.025

3 | 24171
8057
965
285
40
342
483
499
5639
6163

6.16

7628 Dump 7625

21% KCl 2 gms Li Off.

240 plumps Wt 8.130

7629 238 " Wt 8.075

7630 " Wt 8.070

$2\overline{)24275}$
8092

617

7631 Layer loading

5/1000. 24 hole stock 237 plunger.

#108 Regular Winchester 3½ LL nit

7 plates 24 green big drum lot #2

2.76 KOH.

½ plates average 7.2

2 " green " 239

#1033 big drum.

250 dumped nit 7.193

7632 248 " nit 7.406

7633 244 " nit 7.346

9 | 21845

72 82

76 4

29 72

4 36 9 2

.5 = 0 9 7 4

5,156 34

5,156

7634 Duplicate of # 7631
Except 2% KOH. 2 equiv Li OH.

248 sample wt 7.353

7635 242 " wt 7.288

7636 242 " wt 7.382

7637 Duplicate of #7631
Except 2.76 KOH. 2 gms Zn OH
Run Cold

Bradford. 240 dumps wt 7.383

7638 243 " wt 7.385

7639 240 " wt 7.347

7640

5-1000 21 hole stock 3½ lbs wt 237 plunger
#108 Bin flakes 7 flakes 24 green.
#2 Green big drum lot.

2106 KOH.
4 flakes average 7.4
#2 Green " 23.9
#1033 Clip wire.

232 drum #2 wt 7.414

7641 232 " wt 7.393

7642 233 " wt 7.357

7643 Duplicate of #7640
Except 2.976 KOH. 2 equiv. KOH.

238 minutes wet 7.326

7644 235 " wet 7.340

7645 227 " wet 7.378

7646 Duplicate of #7640
Except 2% KOH. 2 gms LiOH. Run Cold.

235 dumps wt 7.360

7647 234 u wt 7.402

7648 234 , wt 7.385

7649 Zitrole 5/1,000 Stock 3/3 lbs wt. 237 plunger.
#110 Regular in flakes.
#2 Screw big drum bot.
7 flakes 24 screw.

7 flake average. 7.1
#1 screw " 23.9
#1.033 Big irons 238 drum wt 7.391

7650 239 " wt. 7.450

7651 246 " wt 7505

7652 Duplicate of #7649
Except = 2% KOH + gms LiOH.

244 dumps wt 7442

7653 240 " wt. 7400

7654 239 " wt. 7400

7655 Duplicate of # 7649
Except 2.96 KOH, 2. gm LiOH. Run Cold

235 sample wt 7.322

7656 234 " wt 7.330

7657 236 " wt 7.414

7658

21 Hole 005 1½ 3½ - general flake oxidized
7 flake 24 705 Big Brown Grass
Soaked in Zirconium Solution by Dr Gr-
dried wash & boiled KOH 1 24 Milg

21% KOH,

Water average 7.0	255 dumped	Lot	8.118
Screen " 24.2			
7659	258 "	Lot	8.180
7660	251 "	Lot	8.118

#1033 Lab/more.

243 86
81 29
775
4064
56903
5690
299
61

7661

Dup 7658

21% KOH, 2 gms 1.0 M —

250 drops WF 8.121

7662 249 " WF 8.081

7663 251 " WF 8.096

7664.

Dup 7658

Used green soaked in Titanium Solution made by Dr. G. Dried, then Coated KOH—

21% KOH

Fleisz Average 7.0/ 24.8/ 244 amph LOT 7.879

Braem " #1033 Big irons

7665 240 - LOT 7.793

7666 237 - LOT 7842

7667 / Dup 7664

21% KOH 2 grms. 1.20 ht.

224 mm/pz Coef 7.677

7668 222 " Coef 7.662

7669 231 " Coef 7.661

All the tubes hereafter will be made from Rogers machine ground stock, commencing with this group.

7670 Dup 7688

Except grass leached out by Ammonia & Sulphate ammonia — We R+H used —

21% KOH.

Drew average 24.1/

Blake " 7.0/272 sumples Of 8.215

#1034 Illinois.

7671 270 " Of 8.255

7672 259 " Of 8.128

7673 Dup 7670

2% NaH, 2 grms LiOH.

256 drops COP 8126

7674 251 " COP 8.133

7675 255 " COP 8.067

7676

Dup 7668

Grass soaked in Nitrate Didymium dried, Boiled ROOTS.

21c/o ROOTS.

Straw average 24.4

Flakes 7.0

#1634 Hay mows.

7677 cracked 225 " Lot 7456

7678 225 " Lot 7390

229 dumped Lot 7.413

7679 Dup 7676

21% NaOH 2 grams 1.000

	227 drops	NaOH	7.401
7680	228 "	NaOH	7.366
7681	225 "	NaOH	7.344

7682

Dup 7688

Green soaked in strong Nickel Sulphate, washed slightly & quickly dried – boiled NOH,

21% NOH

St Lake average 7.0
Green " 24.0

7683

241 damp Wet 7.566

242 " Wet 7.602

242 " Wet 7.593

7684

#1034 Hy intus.

7685 Dup 7682

21% KOH 2 grms 1.084.

236 dumplin lot 7.539

7686 232 " lot 7.551

7687 235 " lot 7.577

7688

Dup 7688

Green soaked in Sulphate Silver
dissolved in Ammonia — dried —
Coated KOH —

#1034 Ethyl print
21 g/o. KOH.
Coated average 7.0
Green " 24.1 / 226 dumped lot 7.522

7689 212 " lot 7.430

7690 208 " lot 7403

7691

Dup 7688

21% KOH – 2 grms Li [illegible]

21% duplicate LOF 7.362

7692 20% " LOF 7.359

7693 20% " LOF 7.315

7694

21 Hole 005 1½ = 7 Oxide General flake — Regular graphite Nickel ~~Oxide~~ mix — 24 ± Dont let the temp fall but let it down by hand do only the weight packs to tube See Edison

Filler average 7.3

21% KOH —

Graphite mix average 239/100 diameter Wet 5.343

7695 163 = Wet 5.107

7696 190 = Wet 5.307

Tubes took a smaller size rings 3)15.7 5.2 3.7

The regular rings were 282/1000

The rings on these groups were 279/1000

2.482

5252

7.4

56.74

3.67.40.4

4.041.30

2.628

7697 Dup 7694

Except 33% KOH —

178 dumps Coef 5.394

7698 175 " Coef 5.342

7699 200 " Coef 5.225

$$9\overline{)15961}$$

5320

77

37 24

37240

40964

70

2,66748 0

7700

Dup 7694-

Except 27% KOH, 2 grms

LOH—

162 samples Lot 4.697

7701 177 " Lot 5.286

7702 166 " Lot 4.800

3)14783

4.928

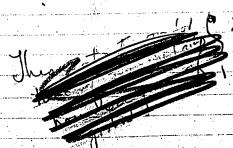
27

34496

34496

377945

2656135



7703

21 Hrs 205 1½ 3½ % Flake
General odor —
24 green treated Sol of Antimony
in Aqua Regia - not dried & used
acid — thick KOH, swelled when
put Sb Sol in green & clear color on
action

21% NOH,

Flake average 7.0 / 24 hrs dumped wet 7.367
Green " 23.5 /
7704 240 - wet 7.354
7705 235 - wet 7.335
#104 Big issue

3 | 22.055
73.52
77
51467
51467
5.1661

5.166

7706 Dup 7703

2 c/c NaOH, 2 grams 2.000 —

232 dumps Wet 7.348

7707 230 " Wet 7.411

7708 244 " Wet 7.441

7709

21 Hole 1½ 3½ BB

76 flake made from action
Hypochlorite K on $NiCl_2$ +
Sebacquenil reduction en
Hydrogen —— 24 grain #1086 system

21% KOH.

#2 Brent average 24.1 217 chamber left. 7492
Speco flake " 7.0 744
#1034 system 29968
5244
5244880
5179

5.79 grains

7710

Packed with Reg graphite Nickel mix
dont kat weight fault - Edison will
explain —

21% KOH
Average dump 23.9

187 dumpers 4.296

7711 Dump 33% 192 " wt 4.373

184 " wt 4.326

3 | 12.995
4.332

7712

The rings on these tubes were 279/1000 3.324
" " " the rag " " 282/1000

3.00-

7713

21 Holcos 1½ 3½ 7 flake general
screened — 708 Big Drum green
Picked out pieces that are hard &
fine grain — crushed thru 20 mesh

20% KOH,
Flake average 7.3
Green " 24.2
#1034 Big iron

234 dumped Lot 7.596

7714 232 " Lot 7.509

7715 237 " Lot 7.497

3 | 22602
75334
6022
40204
5273
5178
60

7716

Dup 7713

Except 21% KOH, 2 grms Li OH.

Each cell —

229 drumpa lot 7.499

7717 229 " lot 7.461

7718 233 " lot 7.327

7719-

21 Hale 005 1½ 3½

#88 flake 1/2 thickness ~~Edge~~ Triangular

Edge ~~Black~~

Fredricks Cty #—

4 flake 24 Req NO2 708 Big D

gibson

21% ROH — 253 dumpLot 7.094

3 flakes average 3.9

brown 23.8

7720 251 " Lot 7.091

7721 254 " Lot 7.171

#1034 Big Horn

6.11

3 | 21.36

7.19

8.59

64071

35595

56952

6.11522

235

39

274

23886

23760

16470

13533

2379

85.9

7722

Dump 7719

21% NOBl, 2 grms LiOH Each cell

261 dumps Lot 7.161

7723 257 " Lot 7.164

7724 — 257 " Lot 7.167

7725

Dup 7719 Except
#98 flake twice as Thick as Req
Oxidized Black & reduced
6 gr #1 — 14 mdg flake
24 green 708 Rdg D

210 ROH

Flake average 14.5
Green " 28.8
#1038 Rdg ironw.

7726

7727

322 Jumper Lot 8.646
227 " Lot 8.729
222 " Lot 8.794

Flake spalls could only fill 3/26169
hopper 3/4 full to feed propan. 8723
6211
8726
1748
5233
5.41
6211
14.5
23.8
38.3
23888
22908
8320
5.41

7728

Dup 7725

21 a/c KOH 2 grms / 100 cc Each cell

21 c dumper LOR 8.738

7729 214 " LOR 8.675

7730 218 " LOR 8.620

7731

21 Half 005 1½ 2lbs 2 ~~lbs~~ ~~oz~~ Cut

12 No 2 green 708 Big Drum through 30 mesh

4 flake General Oxidize

21% ROH

7 flake average 44. / 448 Number Cut 7.726

Green " 12.3

#1034 Big mouth.

7732 444 " Cut 7.763

7733 442 " Cut 7.692

3 | 23181

7727

786

46362

23181

23089

54089

5.687

5.164

73.6

7734 Dup 7731

21% ROH 2 grms Lost Ecoli

449 dumps: Lot 7,657

7735 460 . Lot 7.774

7736 453 .. Lot 7.775 .

7737

21 Hole 005 1½ 3½

7 flake general ORZ3d 708 B17 Drum
Reg — 24 green

21% KOH, 10 grams Silicate of Potash
in each cell Konnerac has the
Silicate Potash —

7 flake average 7.4
Green - 24
#1634 thick range.

7738

241 dumpbell 7.620

233 = 7.652

7739

232 - 7.715

3 | 22.987

7740

Dup 7737

21% KOH 10 grams Silicate Patch

2 grams 4 OH Each cell

Blank average 7.3

Sheen " 23.8

#1034 Dry iron / 260 dumps OK 7.427

7741 251 " OK 7.654

7742 243 " OK 7.642

7743

21 black oos $1\frac{1}{2}$ $3\frac{1}{2}$ 237
7 general ogg flake 24 green 708 Big N

21% KOH, 5 grams Carbonate Potash a
2 grams 2.0H, each cell

3 flakes average 69
3 green " 24.1
1034 Big iron.

241 dumps Lot 7.609

7744 238 " Lot 7.666

7745 236 " Lot 7.683

7746

Dup 7743

21% KOH. 5 grams Carbonate Portion
3 grams LiOH. Each Coll.

	242 dumped	lost	7.684
7747	246 "	lost	7.657
7748	239 "	lost	7.514

7749 —

Dup 7743

21% KOH, 8 grams Carbonate Potash
3 grams KOH Each Calc.

	241 dup of	Lot	7.609
7750	232 "	Lot	7585
7751	233 "	Lot	7.613

7752

21 Hale oos $1\frac{1}{2}$ $3\frac{1}{2}$ 237

7 flake oxidized qcwl 24. Old hand
No 1 green. # 551

21% KOH.

Green average 24.1 / 219 dump Lot 6.703
Flake " 7.2
7753 209 " Lot 6,657
#1034 Big irons
7754 211 " Lot 6711

$$3\overline{)20071}\quad 6690\ \tfrac{1}{3}$$

$$4\overline{)6683}\quad 1670\ \tfrac{3}{4}$$

$$4\overline{)1671}\quad 417\ \tfrac{3}{4}$$

$$\frac{241\frac{3}{4}}{3\,1}\qquad 3\overline{)4910}\quad 1637\ \tfrac{1}{3}\qquad 5.115.$$

7755

Dup 7752

21% KOH 2 grams / liter Each cell

	214 pumps	LOF	6.674
7756	199 "	LOF	6.565
7757	190 "	LOF	6.530

7758-

Dup 7755

Except RUN COLD

186 dumps Wt 6,534

7759 183 - Wt 6,494

7760 185 - Wt 6,542

7761

21 Hcl 2 005 1½ 3½ 237.

#88 4 flake ½ thickness Oxidized 20 transparent Reduced 6 yellow scene acquired in 7719 RA 707 ½ wash filtered dried cold heat.

21% KOH.

Green average 23.9
Flaked " 4.2

262 dumped Wet 7.432

#1034 Big irma.

7762 262 " Wet 7.456

7763 " Wet 7444.

Nichael Hydrate very heavy
Only enough flake for two tubes.

7444

7764

Dup 7761

~~Except 24 old No 1 green~~

Flake 288 - 21% Roth —

Flake average 4.2 | 193 dumped COR 6.138

Cream " 24#1

7765 193 " COR 6097

#1034 Hg ppms.

7766 COR ~~6.2235~~ 6.117

Only enough flake for two tubes.

6.117
65-1
6.115-7

24.1
4.23
2 8 | 24.10 (8.51
22.64
1.46.5
1.43.50

30
4 8 3.6
4.87
5.20.5

5.20
10.4

7767

21 Hab .005 1 1/2 3 1/2 237

7 flasks General Oxid. 3e

Warm #707 green on Simple
Piece pad paper laid on
hot plate for one hour

24 grosw — 7ffl 24 grsw

Cool green off before cooling —

21% KOH,

Filled Average 7.4 / 2.85 dumps left 7.335

Screens " 23.4

7768 — 233 - lot 7.323

1034 lbs fines

7769 231 - lot 7.355

56 revolutions per Min.

3 | 22013
7338
76
78
4402
5.368
5.576

5.57

7770

Dup 7767

2 1/2 Rott 2 grms /1000,

234 dumps Lot 7,421

7771 . 234 " Lot 7,337

7772 - 234 " Lot 7,350

7773

Drip 7767

Bit use 708 Dry Brew Warmed

Warmed half hour, and let cool.

21% ~~Nacl~~

15 Leaf average 7.4

Green " 24.2

#1034 dry inoue.

225 dumps Leaf 7.461

7774 223 - Leaf 7.466

7775 216 - Leaf 7337

5 Revolutions Per Min.

3 | 22264

44 5 26

4 45 2 7

5 4 4 4

5.6844

5.68

7776

Dup 7773

21% NOB 2 gram LOST,

213 dumps Leaf 7382

7777 216 " Cut 7455

7778 219 " Cut 7459

7779

Dup 7773

Warmed & cooled 705
7f 24 given –
Machine run so it only gives one blow & no recording

21% KOH,

1st Flake average 7.4 / 239/224 dumps Wet 7.482
Green " 1034 Pkg wasn
7780 223 - Wet 7,400.
7781 238 " Wet 7,593

80 Revolutions per min.

3)22475
7492
766
52
4495
5 2444
9,7388

5.73

7782

2 Hole 005 $1\frac{1}{2}$ $3\frac{1}{2}$ 237

XXXRA one would before filter — 7 flake gave 0x0.138 — 24 hours.

21% NOH.

5 flake average 7.4 235 dumps loaf 8.220

Green " 24.3

7783 234. loaf 8.233

7784 246. loaf 8.297

1034 dry ivory. in Hydrate very heavy.

56 Revolutions per Minute

$$3\overline{)24750}$$

$$8250$$

$$7\overline{)16}$$

$$4\overline{)9}$$

$$5\overline{)15}$$

$$3\overline{)15}$$

$$5\overline{)15}$$

6.31

7785

Dup 7782

21% KOH 2 gms 2.0 cc —

23½ sample lost 8.247

7786 248.. lost 8.312

7787 249. lost 8.301

7788

Dup 7792

But green heated & then

Cooled — 7 flake 24 g

21% KOH.

7 flake average 7.0

Greasy " 23.8 / 243 dumped wet 8.030

1034 Selig irons.

7789 245 " wet 8.022.

7790 235. wet 8.063

3 | 24 11 5
8038
772
607
5666
5.7873

620

16076
5.5.6266
5.6 266
620 553

7791 -
Dup 7788
But 10 flake 24 green
gene ox —
21 w/o KOH,
Flake average 10.4 ± 40 dimple Clot 8,533
Green " 23.8
7792 224 " Clot 8,557
7793 223 " Clot 8,396

$$\begin{array}{r} 3 \overline{)\,25\,48\,6} \\ \underline{8\,49\,} \\ 5,946\,5 \end{array}$$

5,94

7794

Dup 7794

10 flake Bif green mat

heated —

21 ½ in KOH.

½ flake average 10.4

½ bran " 24.3

1 1034 Big irons.

230 dampen Cut 8.666

7795 — 222 " Cut 8.590

7796 240 " Cut 8.616

3 | 25872
8624
8
8 1 1 0 4

3 | 25872
8624
8
6.03 6 0 3 6 8

7797

21Hob 005 1½ 3½ 237—

7 general flake 0 cardigod—

24 green boiled in water 20 minutes
washed & dried — no KOH used
21% KOH. — Let the green stay in open air
spread out for one hour before grinding.

3 flake average 7.3 262 dumpline 8.183
Green " 24.3
=1034 Pligrinum.

7798 256 " 8.407

7799 264 " 8.367

The numbers with A are duplicates of above, on
account of the machine might of shifted on the flake
side not being jammed.

7797.A 257 dumpcent. 8.198

98.A 248 " wt. 8.068

99.A 240 " wt. 8.044

3 flake average 6.9
Green " 24.4
=1034 Pligrinum

6:20-

)24310(
8103
165
480
6.2064
233

7800

Dup 7797

2½% KOH 2 grms x/ 80 cc each cell.

	249 dumps Lost	8.347
7801	252 " Lost	8.307
7802	254 " Lost	8.420

7800 A	244 dumps lost	8.135
1 A	245 " lost	8.080
2 A	247 " lost	8.039

7803

Dup 7797

green boiled in Chloride ammonia

No KOH used

21% KOH. Kept in oven 2½ hours before use

5 lake average 7.0 | 239 | 277 " Dump Lot 8.177

Green " 7804 259 " Lot 8.139

#1034 Clg wagon 7805 253 " Lot 8.103

3 | 24419

8139

7731

24417

56973

56973

6.2914

6.29

7806

Dup 7803

21% KOH 2 gms 1.00

250 dumps COA 8.133

7807 247 " COA 8.107

7808 248 " COA 8200

7809

Dup 7797

Green soaked in nitric acid
Cold — no KOH — use
21% KOH — Keep in air 1 hour before

Green average 25.8
Flake " 7.3
#1034 Oly irons

7840 — 253 dumps wt 7.398

7811 — 243 " wt 7.206

242 " wt 7.227

Only made the above three, then charged to other machines.

7809 A	254 dumps wt	7.704
10 A	246 " wt	7647
11 A	234 " wt	7723

Flake average 6.9
Green " 24.1
#1034 Oly irons.

3)23074
7691
76
38465
6146
4837
53837
5188

5.188

7812

Dup 7809

21% KOH, 2 grams ~~2.0~~ —

	219 drop	Cot	7.535
7813	220 "	Cot	7.535
7814	221 "	Cot	7.535

Flake average 6.9
Green " 24.1
#1034 elytrons

7815

Dup 7797

green boiled in strong ammonia — no KOH used
Washed free NH4OH
green kept in alc 1 hour before using green

21% KOH

3 blanks average 6.9 / 24.0 green

246 drops Wolf 7.508

233 " Wolf 7.361

221 " Wolf 7.496

7816

#103 Ellajane

7817

$$3\overline{)22365}$$
$$7455$$
$$7785$$
$$5944$$
$$5218$$
$$5.7997$$

5.79

7818

Dup 7815

21% KOH. 2 grms Li ~~OH~~ —

228 Example Cof 7.470

7819 227 " Cof 7.471

7820 221 " Cof 7.395

7821 –

Dup 7797

Green Rectified on Hg Cy stirring sol.
Unwashed – no KOH added
Post green in run for 1 hour before use

21% KOH

F. Lakes average 6.9
Green 24.3 / 243 drops Lot 7.662
= 103± Reagent.

7822 241 " Lot 7.683

7823 234 " Lot 7.632

3 | 22977
7659
778
6 | 2772
5361 3
5361 3
5.95 58
5.958

7824

Dup 7821

21% KOH 2 grams 1.000 g.

23° clumps Cof 7.646

7825 22.5° Cof 7.567

7826 23.0° Cof 7.544

7827 Dup 7797

Green boiled in KCy no KOH used

Expose green to air 1 hour before use

21% KOH,

Flakes average 69 / Buckwheat LOT 7.742

Green " 23.8 256 dumped

#1034 yellow corn

7828 256 " LOT 7.748

7829 245 " LOT 7.702

3) 23192
7731
775
38653
5-4117
5-4117
5991.52

5.99

7830

Dup 7827

21% NaOH 2 grams 1.0 ml.

239 dumps Lost 7.735

7831 230 " Lost 7.647

7832 229 " Lost 7.637

7833 Dup 7797

Grew warmed in Citrate of Potash — washed — no KOH used —
put in an 1 hour before using

21 c/c KOH

Filtered, average 6.9
Green " 238 248 drops KOH 7.634
#1034 Blue room
7884 249 " KOH 7.596
7885 245 " KOH 7.636

3 | 22.866
7.622

5.90

3.8 1.4
5.3 3.5.4
5.3 3.5.4
5.90.70

7836 — Dup 7833
2½% KOH 2 gms LOR.

240 dumps LOF 7.643

7837 235 " LOF 7.553

7838 — 230 " LOF 7.636

7839

21H-22005 1½ 3½ 237

7 flake generac oxidized –

24. Anhydrous Nickel Oxide –

21% KOH, 6 grms LiOH.

7 flake average

Green "

#1034 Ally iron dump lot

7840 " lot

7841 " lot

7842

Oup 7797

green Boiled Bichloride Hg

strong — 1 to 1000.

put in ear 1 hour before use

2.1% KOH

Flake average 69

Green " 242 2 drops

#1024 Hg in urine

7843 241 " Wet 7.707

7844 228 " Wet 7.633

7668

3 | 23008

7669

7667

5.96

61355 27

5368 3

5 3683

5 3664

5

7845

Dup 7842

21% KOH. 2 grams 2.088

227 dumps LOP 7.594

7846 228 " LOP 7.631

7847 226 " LOP 7.661

7848

Dup 7.197

Except Green Soaked in strong NH4OH Carbonate Ammonia — Matt washed out, left in a dried —

21% KOH.

Isla below average 6.8
Green ♂ " 24.3

7849 = 1034 Chg irons.
7850

228 dumps Lot 7.190
218 " Lot 7.207
209 " Lot 7.218

3 | 21.615
7205
778
576 4
504 3.5
504 3
5.605-49

5.60

7851 Dup 7848

21a/ NOEB 2 gms Light

Breakahead	216 dumps	COF	7.426
7852	214 "	COF	7.388
7853	216 "	COF	7.328

7854 Dup 7797

Except green soaked in strong solution NH_4NH_4Cl for 20 minutes then washed out and dried — Then soaked again in fresh solution and dried

21% KOH.

Flesher average 6.9 / 233 dumps Wt 7.482

Green " 23.8

7855 232 " Wt 7.436

7856 224 " Wt 7361

3 | 22279
7426
775

5.75

37130
5198 2
5198 5
5.755

7857 Dup 7854

2% KOH 2 gms L.O.I. ——

dup Wt 7.266

7858 " Wt 7.290

7859 " Wt 7.287

7860

Sup 7797

Except Green soaked three times in NH4 NH4Cl solution, washed & dried between each 00 AR —

21% KOH,
Flakes average 6.8
Green " 24.3

7861
#1034 slig iron
7862

238 dumpy wt 7.616
234 " wt 7.545
226 " wt 7.418

3 | 22579
7527
778
6021/6
5 2689
5 2689
5,85600

5,85

7863 Dup 7860

2 g/l KOH 2 grams LiOH.

	249 plumps	Wt	7.526
7864	221 "	Wt	7.402
7865	230 "	Wt	7.412

7866

21 Holes 5-1½ 3-½ 237

grassy green made by Courses

21% KOH. good flake ox 7+24

3 holes average 6.9

Sheen - 24.0

#1034 Big irons

221 dimples 6.745

230 = 1 oz 5.658

2 | 12403
6201
776
37 2 8
4 3 4 0 7
4 3 4 0 7
4.8119

7866 -

Sheen pated sticky

4.81

7868

21 Hole 005 1½ 3-½ 237
7 flake ½ thick Oxidized - Iron Thermost
flaki, those that oxidized yellow -
24 green RA No 7/16. Cobnet free
by Hypo - ½ wound not filled
dried hard heart.

#103 Alloy iron.
21 of 3 KOH,
Flake average 6.8
Green " 244
7869
7870

257 dumps lot 7.840
246 " lot 7.850
248 " lot 7.825

7838
782
15676
62704
54864
61292

6'12

7871

Dup 7868

21% NaOH 2 grms 2.084 —

240 sample LOI 7.832

7872 " LOI 7.739

7873 " LOI 7.720

7874

21 Hakoos 1½ 3½ 237 –

7 flake gouls oxdzd 24 grown which has been soaked in Ferrate Palash in strong Pot ash - warmed till all Ferrate decomposed then NOH washed beet 21% NOH

7 flake average 69
Grown " 24.4

#1032 Elly irons.

7875 232 dumpy lot 7,348

7876 241 " lot 7,443

223 " lot 7,349

7877

Dup 7874

21 a/o KOH 2 grms 2.0 Gm,

225 drops Wf 7408

7878 227. Wf 7.404

7879 215. Wf 7.365

7880 -

21 Hole 005 1½ 3½ 237

7 Square punched flake, Oxalyd
rem Chine Hydrogen
24 green 708 B Drum
#1934 Ammonia
21" 210 ft.
Flakes average 7.4/24 dumps lot 7907
7881 Green " 239 " 239 " lot 7758
7882 " 239 " lot 7733
Flake acts heavier than regular
according to bulb. Heads O.K.
Remark has a flake crack

7883 3½ cup

Dup 7880

21% ~~NaOH~~ 2 pms ~~LiOH~~

234 dimple Cor 7.799

7884 234 " Cor 7.706

7885 234 " Cor 7.812

No 2 flake is 1/2 thick
Square flake 40/1000 Oxidized
Transparent yellow
Reduced by Hydrogen

Reg tube mean
21 flake 005 1/2 spiral —

No 2 flake 1/2 thick ridge
3 1/2 cut

7586 —

Reg tube cut burn outside
No 2 flake 4008 □ groove —
21% KOH — 4 flake 24 g

5 flake average 41 249 dumps flat 6926
Green " 239 cracked end
4 1034 flakes, cracked end 247 " cut 7,048
7887
7888 cracked end 247 · cut 6907

3 | 20881
6960
854
2784
3480
5 5680
5943

5.94

3½ wt

7889

Dupaf 7601 –

after tubes made soak in

Ammonia & then ammonia Bath

Run 21% KOH. – 4ff 24 g

Flakes average 4.1
Green " 24.1
#1034 Elgin wool

7890 261 drops 1 Oct 7.663

263 " 1 Oct 7.644

7891 268 " 1 Oct 7.648

Only enough green for three tubes.

$$\begin{array}{r} 229.53 \\ 7652 \\ 687 \\ \hline 5060 \\ 3826 \\ \hline 1234 \\ 1148 \\ \hline 86 \end{array}$$

6.53

3½ wt

7892 Dup 7859

21%-Rec'd, 2 grms 2.0 Cl's,

No more green left. Coal

7893 Wt

7894 Wt

7695 — 3½ wet

Reg tubes — No 2 flasks, 4 flasks -
708 BD 24
21% containing 2 grams ammonia

7 flasks 4.1
Screw 239
1034 objectives

242 dump wet 6.995
7696 250 " wet 7.019
7697 252 " wet 6.994

21008
4002

7898 3½ wet

Dup 7895

21%o 2 grms ammonia 2 grms lithia

½ lake average 4.1
Green " 23.9
4-1024 Diagnosis.

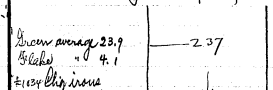
7896	241 dump	wet	6.979
7896	241 .	wet	6.951
7900	243 .	wet	6.979

3½ wet

7901

Reg. tubes. N°2 flake 4 flake
24 | 70888 —

End of tamping tool 1 turn



21% ROH —

7902 —

7903

258 dumps Wet 7.026

252 " Wet 6.949

253 " Wet 7.127

21|0²

First tube the rope in the plunger was partially filled six times. #2 tube partially filled 4 times. #3 tube partially filled 2 times.

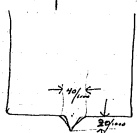
Plunger when it tamped did not sound as hard as blow as regular, and blew more of fine out through hole of tube as plunger went in.

7904 3½ cut

Dup 7901

But tamp Thus

Grain range 23.9
Flake " 4.1
#1134 Oligiron.



25# dumps Lot 7.019

7905 25' " Lot 6.979

7906 25' " Lot 6.987

Plunger acted same as regular tamp 7905
Fine grain or flake struck on bot.

5.96

7907- Dup 7901 3½ wet

With Regular Tamp
But moved cores apart
so to have a piece sheet
brass put in to seperate the
2 halfs of the moved
10/1000 apart — flat plunger

7 Slabs average 4.11
Green " 23.9
#1034 Clip irons 252 dumped Wet 7.107

7908 255 " Wet 7.116

7909 254 " Wet 7.134

Rings very hard to put on 3)21351
Fiber measured when finished 29/100

7117
853
21351
35585
56936
6.07080

6.07

7910 -

~~Rejected~~ 3½ wet

Rod tubes - No 2 flake
4 flake 24 to 708 BD —
fingers put out to scatter
the green after it dumps

F. Label average 411
Green average 239
±1034 Lbs in use

246 dumped Wet 7159

7911 246 " Wet 7163

7912 241 " Wet 7131

Once fingers under the green slide to platter contents

3½ wet

7913 Drop 7910

With fingers to scatter both the green & the flake after dumping —

Flakes average 4.4
Green " 23.9 237 dumped Lot 7.231
= 1034 Chg iron.

7914 = 240 " Lot 7.167

7915 240 " Lot 7.100

One finger attached under the flake slide & to patter each dump as it falls.

7916-18 — 1st two
Chg Rec in 5% KOH
Then run 1st in run
in 5% KOH
Then changed to 21% KOH

7916 — 3½ wt

Reg tubes No 2 flake.
4fc 24 x0 708B green

Run in 5% KOH. Reverse for
One hour / HOT. Then Solution
Changed To 21% & Run Reg
on Board

Flake average 41
Green " 239 249 dup wt 6.937
= 1034 Chg iron.
7917 253 " wt 7.036
7918 241 " wt 6.960

Flake average 4.4
Green " 231
7916A 238 dup wt 7.492
7917A 239 " wt 7.430
7918A 230 " wt 7.559

The above #7916-18 was run wrong.
made duplicates

No 2 of ½ knock off

3½ wet

7919 Jubes burs inside not ground off

Ring Tuiers No 2 flake-4 ff

24 grossen - 70BD -

21 Rott

Flake damage 44

Green " 23.9 fractured dumbar end Wet 6.997

1034 Big roma

7920 249 Wet 6.937

7921 fractured end Wet 7.090

2 | 21.024
10.08
8.45
3.502
2.804
5.6 | 2.17
0.19

7922 3½ coat

Reg tubes plated twice as thick with nickel — —

4 fe No2 — 708 Big D 24

21% KOH,

F' lakes average 4.4

Green 239 233 dumper lot 7.281

#1034 Big green

7923 237 · lot 7.292

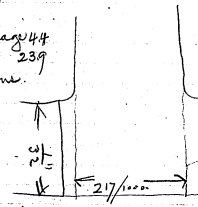
7924 240 · lot 7.277

3 | 21.850
72.83
845
5641
5
3613
2913
58264
61.541

7925 3½ cut

Reg tubes – no 2 flake

4 fl 24 70 BD



3 flakes average 44
Green " 239
#1034 Highroms.

does not plug up only any occasional kernal of green will stick in one of the tubes & then they fall out. Sleeve gives out a hard solid blow like hammering on steel that rings.

21½ ROSH.	245 dumped	lot	7.173
7926	246 "	lot	7.182
7927	244 "	lot	7.117

7926 3½ cut

Reg tubes = fried oil to screen out of several flakes enough flake through 40 mesh to mix with green 90 parts green 10 part flake – Roll out glass plate cold cream with spray of 21% ROH till greased to prevent break up gently after drying screen thru 20 — 24 or 26 of this. 4 to 2 flake use dry right from hot plate

21% ROH
3 flakes average 44
Green " 24.8
= 1024 Big irons

7929 236 . cut 7.817

7930 221 . cut 7.828

9 | 23462
78221
8 5 3 3 3

6.647
90
59823

5.98

7931 3½ wt

Reg tubes 4 N°2 flake

after the Tubes are filled

drop tapping green flake

& let the weight drop

25 times

21% ROH.

½ lake Carmine 4H

Green " 239 236 dumped Lot 7.220

#1034 Big irons

7932 241 " Lot 7.276

7933 235 " Lot 7.204

Compresses the mix in the tube about 4/1000

pu 5/1000

7934 3½ wt

Reg tubes painted inside with mush of anhydrous oxide of nickel in KOH water & brot up in Hydrogen Low alt

Working now —

4 No 2 flake 24 708 BA green

21% KOH

Steam average 241
4 flake " 444
JF 1834 Alig iron.

7934	246	lot	7,349
7935	249	lot	7,404
7936	239	lot	7,453

6.25

3)22206
7402
8 40
7408
7408
5 32 4

7937

Reg tubes — 4 no 2 flake
24 | 708 green

First mach of tube use
the 2 lb weight next
mach use tube 2½ lb wt
last mach use the
3½ lb wt —

21% Rosin.

4 of cake average 4.x / 232 dumps lbs 7.104
Greeny " 24.1
= 134 lbs in mona.

7938 lbs 7.079

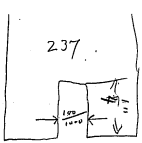
7939 lbs 7.148

6.00

3 | 21331
7110
64
57
56
56
56
56
009

*7940.

Reg Tubes — 4 NO2 flare $3\frac{1}{2}$ cut



21% ROH.

If lake average 44
Green " 24.1
#1034 Alg iron a.

Plunger does not plug or fill up.

239 dumps Wt 7.608

*7941 232 " Wt 7.567

~~7942~~ 236 " Wt 7.480

7943 - Lucyn Loading

Reg tubes, Nickel graftite mix - 24 - No 2 flake 4 - Let the weight drop one inch from the mix each time —

15 tubes average 44
Screen " 245 205 drops Wt 6.047
#1034 Big irons.

7944 — Drop Drop weight 2 inch Each time -
218 " Wt 6.534

7945 - Drop Let weight drop full length —
246 " Wt 7.005

7946

Reg Tubes, No 2 flasks 4 gl 24 700 BD green
3/2 wet —
" Run in 5% KOH. 2 grms Ni OH.
Emb cells —
After 2 Runs on board — change
KOH to 21% KOH, 2 grms Ni OH.
Flasks average 4.4
Green " 241/238 dim lot 7.639
#1034 Chip runs.
7947 257 " lot 7.587
7948 258 " lot 7.397

7949 –

Make 3 tubes Reg tubs 4. N°2 flasks
24 708 green glue to Edward
to boiling ~~&~~ Water Carbon
1 gram LiOH to 100 cc water
Then percolate out the Methi-
dry ~~—~~ assemble —

21%/KOH
5 flakes average 14.14
Green " 24.1/252 dwp/sc Wet 7.339
#1814 Alg irons
7950 25# - Wet 7.316

7951 24S - Wet 7.361

Flakes packed down around the stirrers
and broken off the pins.
Flakes seems softer than previous lots

7952. 8½ lb

Reg Tubes, no 2 flasks 4 of

24 gms 708 BD 24 hours in strong $HgCl_2$ in H_2O - cover washed at once from Hg Cl

2½ KOH.

Segm average 23.8 / 4.4

Flasks #1054 1 gram

7953

7954

253 dupl leaf 7783

233 leaf 7897

231 leaf 7802

3 | 23482

7827

844

31308

31308

626116

6,160-9

6160

7955 3½

Dup 7952

21% K 2 grms 4.00 cc.

236 cc Water 7.619

7956 239 " Water 7.545

7957 220 " Water 7.538

3 | 22702
    | 7567
    | 8 4 7

6.38

3 0 2 6 8
3 0 2 6
6 0 5 3 6
6.3864

7958 3½

Dup of 7952

Except green soaked 24 hours
Alcoholic + Ytrangen solution
$HgCl_2$ - $HgCl_2$ soaked out,

21% KOH,

Folded average 4.4
Green " 2.46 / 253 dumps lot 7,872
#1034 Clip rows. 249 " lot 7661
7959 246 " lot 7,666
7960

3 | 23199
7733
848
824
6185
3092
6184
5
6.55 6.557

7961 Dup 7958 3½

2% KOH 2 gms Lot

246 dumps Lot 7626

7962 243 " Lot 7722

7963 236 " Lot 7717

7 | 23065
7688
5485

6504
3075-2
6504-24
6519

6.51

7964 = 3½

Reg tubes. No flake only use ~~Ammonium~~ Chloride of potassium through 40 mesh — 24 ml — after tubes full put in water Contain 3 or 4% KOH, + dissolve out the KCl + rinse in water + dry — Then will shape the tubes. —

Flake average 74 / Then

Trend 238

4 flake K02 — 24 708 9 FEW BD-

B½ cot.

21%

#1034 Big irreg fractured end 285 dumpee Cot 7383

7965 289 = Cot 7242

7966 fractured end 283 - Cot, 7324

Tubes after being filled were a little longer than when started.

6.17

9 | 27949
-72
-72
-27
-27
-09
-09
0

7967 $3\frac{1}{2}$

Reg tubes 4 fl. x 02

24 708BD

Feed flake then green then Tamp

then flake then green then Tamp -

+20 on by hand

#1034 Equivonx.

Sil. Rott.

Flake average 4.4 / 228 dumped lot 7.417

Green " 238 / 7968 " 222 " lot 7.444

7969 " 221 " lot 7.443

7970 $3\frac{1}{2}$

Reg Tubes, No 2 fl 4 70BD
24g

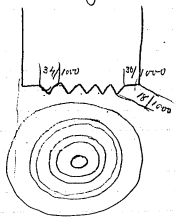


Plate average 44.4
Screen " 23.8
#1034 Glazings
21% Not.

251 dumpal Ref 7.242

7971 24 " Ref 7372

7972 23c " Ref 7.524

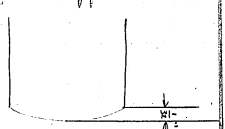
Screw plunger up in the rings, released it quit after four times during each tube

7973. 3½

Rag tubes 4 fl oz 700 Bd green

Plunger just the opposite

of 7971



Flakes average 4.4

Green " 23.8

=1034 Chromium

21% Rdt.

234 dumpCut 7.561

7974 232 " Cut 7.607

7975 — 236 " Cut 7539

7976 - 3½

Reg tubes ≡80 flake 1/3 Reg thickness
Oxidized & Reduced by Hydrogen

3 flake 24 hour green
Layer loading

21% RCH.
Flakethickness 3.1
Brew " 23.8
≡ 1034 Cly inches

7977 24 hr dump lot 7.032
24 hr " lot 7.092
7978 24 hr lot 7.048

Slide had to be opened a little larger than it was for the ½ thickness flakes
Stirrer stopped eight times during the loading of the three tubes

7979 - 3½ -

Drop 7976

flake 1/5 th Req thickness -

2 flake 77 24 705Bd gr 58.0

21.0% KOH -

3 flakes average 2.0

Green " 23.8

#1034 Obsidian 248 dumps Wet 6.830

7980 248 " Wet 6.868

7981 245 " Wet 6.868

flakes not feed the regular amount of the dump every time

7982. Bad flake

Reg Jubro 005 1½ 3½ 237

24 708 gram which soaked strong Solution of $BiOH$ in NH_4Cl & Br_2 the Soaked 2 minutes then washed with dists water quickly to decompose the Solution into $BiOCl$ & Br_2 in the pores Dried then boiled 5% KOH, & washed free of KOH, & NO_2

210/KOH	252	dumpe	LOF 7.022
7983	249	"	LOF 7.051
7984	239	"	LOF 7.020

Screw average 2.39
Flake " 3.9

$3)\overline{21.09}^{3}$
7031

#1034 Ellis Jubro

The ½ thickness #2 flake that I am using seems to be stuck together.

Screw 6.045

6.00

flake from 7982 to 8023 bad flake Quick in Hot Water & Brush vigorously 8024 after is good flake

7985

Dup 7982

21% ROH 2 grams 1.0M Each acid

	231 dumps	Wt	6.918
7986	230 "	Wt	6.908
7987	224 "	Wt.	6.947

3 | 20.773
6.928
17
15
23
21
2

7988

Dup 7982

Except greens soaked in some Solution but quickly washed once in water so as only to wash outside of grain + not decompose all minerals to Oxychlorides + Dried boiled ROH + roasted free ROH,

91% ROH

F lake average 39
Green " 33.6 / 260 dumpish OF 7.036
#1034 Ely iron
7989 / 251 · COF 7.050
7990 239 · COF 7.024

6.03

9 | 21-1-10
7037
858

56296
35183
56296
6.0376

7991

Dup 7988

21% KOH 2 grms 2.0 ml Ethanol

	230 dup of lost	7.068
7992	233 " lost	7.052
7993	227 " lost	7.002

7994

Reg tube 1½ 3½ 237

4 № 2 flake 24 of
708 grain soaked 48 hours in
strong Sulphide of ammonia
washed until nearly free of
Nitty — dried — not broken KOH.
to go to Hall and to work the
Sulphur out by chg & reversing
Same as he described old
Sulphide & new pockets
Changing the 21% KOH
freque[illegible]

21% KOH.

15 flake average 39 / 229 dumps Wf 6635
Screen 4 — 2440
7995 225 " Wf 6630
Eight Chg hours
7996 217 " Wf 6592

7997

Dup 7994

21% KOH 2 gram d.086, after the sulphur has been worked out in glass 21%

	226 dumps	Wt	6.616
7998	210	Wt	6.551
7999	207	Wt	6.536

7619

8000 —

Reg tubes - 1½ 3½ 237

708 green dipped in Bi OH in NH4Cl
same as used in 7619 but ½ the
strength of 7619 - - soaked 2 minutes
washed one wash quick &
dried then boiled in KOH 5% about
4 dried free KOH. 4 No 2 flakes
24 grams

21 of KOH.

Flakes average 3.9
Green " 23.7 285 dumps Lot 7.168
11034 Big irons.
8001 270 " Lot 7.115
8002 256 " Lot 7.088

Bad flakes soft

8003

1 Dup 8000

21% KOH 2 grms 2.000 gms.

251 Simple Wt 7.088

8004 249 " Wt 7.031

8005 252 " Wt. 7.074

8006—

Dup 8000

Except grass dipped in
1/4 strength of the Bi Solution

2.0% NCH.

St Lake 3.9
Green 24.1 ave dumped Wt 7.465
#1034 Big grass

8007 2nd " Wt 7.293

8008 3rd " Wt 7.263

8009 Dup 8006
21% KOH 2 qrms d. Off

244 dumped Off 7212
8010 244 " Off 7238
8011 326 " Off 7175

8012

Dup 8000

Except green dipped in 1/4
strength of B. bolivianum —

21% KOH

Flake 39 / Bunsen end
Green 24.1 / 200 dumped LOT 7.211

+ 034 big crowns

8013 200 LOT 7.129

8014 240 LOT 7.088

8015

Dup 8012

210/0 KOH 2 gms 2.0 gms

240 drum lot 7.133

8016 230 " lot 7.122

8017 233 " lot 7.086

1/4 + 1/8 may have got
mixed in crushing

8018

Dup 8000

Bud of Cake 115K bad in dough

Except 1/16th strength 708 soaked + brot nearly to boil in Dakin, 3 minutes about, then 1 quick rinse in H_2O dried, then 6 dried NOH.

2½% NOH.

Cake/39 Cream 23.8 #1134 Crisco

8019	251 dumpl	Cut	6.816
	247 "	Lot	6.936
8020	241 "	Lot	6.797

8021

Dup 8018

21% KOH 2 grams 2.004.

	239 dumped COF	6.820
8022	245 " COF	6.895
8023.	242 " COF	6.872

8024-

Dup of 7982

Except use 4 No 2 square flake

21% ROA.

219 5 flakes average 4.2

Crew " 238

8025 249 " Cof 7.070

8026 247 " Cof 7.023

252 dam/pc Cof 7.155

$$3\overline{)21248}\quad 7083$$

$$\begin{array}{r} 35415 \\ 5\,8\,6\,6\,4 \\ \hline 6.028 \end{array}$$

6.02

8027

Dup 7982

Except 4 NO 2 Square flake

21% ROH 2 grms ~~X 1.000~~ —

243 dump Lot 6.976

8028 238 · Lot 7.000

8029 239 · Lot 7.019

8030

Dup 7988

Except 4 x° 2 Square flats

21% Nett.

Plate 4.2 / Green 24.5 247 diam Lot 6.964

8031 244 " Lot 7.039

8032 242 " Lot 7.076

9 | 21079
7026

8033

Dup 7988

Except 4 no 2 squareflake

21% KOH 2 grms 21 OCt

229 dumps Lot 7.046

8034 235 " Lot 7.099

8035 233 Lot 7.062

8036

Dup 8000

Except 4 x 2 Squareflake

21% NOGG

#119 Red 4.5

Green 24.4

#103 Big ones

	207 dumps	Cof	7.268
8037	246	Cof	7.247
8038	242	Cof	7.164

8039 -

Dup 8000

Except 4 x 02 Equiv flasks

2 1/2 KOH 2 grams 1.08 H.

233 dump Lot 7.138

8040 234 - Lot 7.095

8041 235 - Lot 7.114

8042

Dcp 8006

Except 4 no 2 Squareflake

2% KOH

15 Baked. 4.5 Green 24.5	257. dump	Lot	7.455.
at 103° 18g more 8043	254 -	Lot	7.592
8044	253 -	Lot	7.327

8045

Dup 8006

Except 4.902 square flake

21% KOH 2 gms 2.08 L,

241 drinks lot 7.285

8046 252 - lot 7.275

8047 242 - lot 7.250

8048

Dup 8012

Except 4 X 02 squaneflake

21% KOH.

mtg lake 4.5

Greew 24.0 256 dups Lof 7.235

#1034 bly wood

8049 250 - Lof 7.185

8050 Shadeland 247 - Lof 7.195

8051

Dup 8012

Except 4 No 2 squareflake

2½% KOH. 2 grms 2.000.

248 dumped. Lof 7.175

8052 251 " Lof 7.180

8053 249 " Lof 7.183

8054

Dep 8018

Except 4 X 0 2 square flake

Hop ROSE

#119 Flake 4.5

Green 24.3 LSF dump Lot 7.080

#130 Big iron.

8055 Broadedbend " Lot 7.018

8056 2.43 " Lot 6995

8057
Dup 6018

Except 4 x 2 square cake
2 @ 2 gms 2.000 —

" dumpy Loaf 7.044

8058 Brabeckband " Loaf 6.950

8059 Brabeckband " Loaf 6964

8060

Req tubes. 3½ 237

7% ~~Mn~~ Reg thickening (Oxide) — 708 green

21% KOH. 2 grms 2(10th). 1 gram Silicate of Potash

Slaker 7.1

Green 23.8 Chg now. 21.3 crushed end dull Wt 7.669

8061 21.3 " Wt 7.488

8062 crushed end 21.6 Wt 7.688

8063

Dup 8060

21% Rose 2 gms LiOH. 2 gms Silicate Patrick
Each acct —

Flake 7.4
Green 23.8
#1034 Oligirose Cracked end 225 dumps Lot 7.440
8064 Cracked end 230 " Lot 7.455
8065 230 " Lot 7.316

8066

Dup 8060

21% KOH. 2 grms LiOH, 3 grms Silicate Potash each cell

Flake 7.4
Green 23.8
#1034 Big Iron 220 dump LOT 7.270
8067 231 " LOT 7.319
8068 234 " LOT 7.315

8069.

Drop 8060

21% HCl. 2 grms $\sqrt{.001}$ – 4 grms Silicate Potash each cell

Flasko 7.4
Green 23.8
+1034 Glycerine

8070	220 drops	10	7.275
8070	227 "	10	7.215
8071	229 "	10	7.165

8072

Dup 8060

21% HOH - 2 gms 10H. 5 grams Silicate Portion exceed

Flake 74
Green 23.8
= .24 Clinochlore

8073	235 dumps COT	7.001
8074	232 " COT	7.113
	230 . COT	7.135

8075

Reg tubes — 3½ 237-

4 Nr 2 flake square flake — 24 · 708 of
soaked in Conc 18.0M in NH_4Cl sol 5 minutes,
drained off + dried without wash — then boiled
KOH 5% about - washed free KOH,
+ dried —
21% KOH,

#19 Fl Lathe average 3.7
Green " 24.0 25° dumps Wt 7.349
#1034 Flip irons
8076 " " Wt 7.289
8077 " " Wt 7.312

3 | 21950
7317
866
43902
4392
4396
58536
6.3365

6.33

8078

Dup 8075

21% Rott, 2 grms [illegible]

245 dumps Cut 7.285

8079 235 " Cut 7.110

8080 237 " Cut 7.132

3 | 21527
7176
866
5
43056
43056
43056
5743
6.21.43

6.21

8081

Dup of 8075 –

Butroaked in Si Bd 10 minutes.

21% RH,

#119 Cake 4.3

Screw 23.9

#1034 Rig wash

	-27- dumped LOT	7.890
8082	-27- " LOT	7.893
8083	-273 " LOT	7.835

6.166

8084

Dcep 8081

21% KOAc, 2 grams Lactic

268 dumbbell Col 7.855

8085 Enolized end " Col 7.810

8086 " Col 7.747

8087

Dup 8075

Except soaked 20 minutes in Bi Sal

21% KOH —

#19 F. flakes 4.3

Grean 24.0

#1034 Big irons 264 dump COF 7.265

8088 " 255 " COF 7.202

8089 " 261 " COF 7.312

8090

Dup 8087

21% KOH 2 grams 2.0 Eth.

	266, dump pc	Col	7.272
8091	264 "	Col	7.355
8092	263 "	Col	7.333

8093

Dup 8075 –

Except soaked 10 minutes in Bi sol Conc
no wash - dried then soaked again –
2 minutes in solution no cold wash
dried – then boiled KOH,
4 washes of free KOH, 3rd wash was
15 hours – Saturday night soak —
21% KOH

19 Flaked 4.3			
Green 2.39	253 dumpfalf		7.406
7.1034 Klig brown.			
8094	209 " Coal		7.415
8095 —	264 " Coal		7.490

8096 Dup 8093

2 drops KOH 2 grams KOH —

	266 drops	Wt	7.523
8097	264	Wt	7.473
8098.	260	Wt	7.501

8099

Reg Tubes - 3½ 237

4 #02 Square flake 24

of the green wood in 8030 but which lives further treatment in KOH Containing Formaldehyde reducing Bi to metal —

21% KOH 24 dumped off 7219

#119 Flaked 4.3
Brew 24.0
#1034 Big brew
The green wood heavy.

8100

Dup 8099

21% KOH, 2 grams I_2 KI,

Breakdown 2 hours at 100° C — 7120

8101 ——

Reg Tube 4 x 0.2 5% flake 3½ 237

Edison No 4 Bismuth Experts, recorded in Berrys book 708 green soaked in Bi glycerol solution 10 minutes — No wash — dried — Reduced to metal by formaldehyde, after washing 3 or 4 times soaked all night in water on hot plate — in morning soaked 2 times then dried — about qtz dead black by grey black — apparently no metal. opal. ns —

21% KOH.

119 Flakes 4.0 344 dumpl Of 6.918

Brown 240

8102 344 - Of 6.918

8103 352 - Of 7.013

8104 Dup 8101

2½% KOH 2 grms Lioff. Excel cells

	226 dumps Cost	7.119
8105	225 - Cost	7.034
8106 -	225 - Cost	6.970

8107 Edum 1905

Dup of 8101 but one quick wash has same grey black as 8101 — portion opal nodulum in opalis prasmacy ng —

21% KOH.

119 Flake 4.0

Greasy 23.9

#103 Big roun 284 dump lot 6932

8108 233 . lot 7080

8109 241 . lot 7.120

8110

Dup 8107

21%ROH, 2 grams LiOH small cell.

	200 dumps LOF	7.185
8111	248 " LOF	7.169
8112 Cracked and 248 "	LOF	7.193

8113

Edison No 1

Reg tubes 3½ 237. ff No 2. 4 mcfg 24 — B. of Nthgt Conc solution, soaked 10 min — no scrub — dried, dries hard lumps — Reduced by Formaldehyde in KOH — then washed well — dried all night ordinary Temp. black except 3% particles that are clear green — particles only reduced in a little way.

21% KOH.

119 [illegible] lake) 4.0			
Green 239	264 pumps	Cut	7.857
#1034 Big work 8114	262 "	Cut	7.872
8115	262 "	Cut	7.848

8116

Dup 8113

21% KOH. 2 grms Lioff Each acct.

255 drumpf Cof 7.788

8117 254 " Cof 7.785

8118 255 " Cof 7.852

8119

Edeson N°2.

Dup of N°1 Except I quick to wash dried, reduced by formaldehey in full strength 21% KOH in excess — was black clear thin — dried all night and Temp found it nearly all odd to grow again. Except in very Centre of some large particles, 4 N°2 ff 24 — 3½ 27

Some of large particles have black centre

21% KOH

19 Foster 4.6 ans dumpy Lot 9.102

Brean 24.2

8120 274 " Lot 9.053

=1.054 Glycerine

8121 Bracklehead 279 " Lot 8954

8122

Dup 8119

21-1/2 KOH — 2 grms LiOH each acc

	271 dumpbell	8842
8123	273 "	8927
8124	272 "	8955

8125

Edison #0 3 -

Dup. 8119 Except washed 3 times quickly dried. reduced formaldehyde in very dilute KOH. (10) weak - 10 cent acid 3 times in reducing — washed free KOH, dried all night and temp - in morning all 6 pack a good — Micro some large of panthers green centers.

119 Yellow 4.0
2½% KOH, 252 dumps COF 7.610
Green 24.0

8126 250 . COF 7.669

8127 235 . COF 7.503
Pretty small fines in green.

8128

Dup 8125

21% KOH 2 grms 1.0 cc. Each coll.

237 dump Lot 7.635

8129 229 " Lot 7.517

8130 222 " Lot 7.482

2 tubes

8131

Edinburgh 8 Bi, Nitrate Expt

Reg tubes 3½ 237

4 No 2 of 24 —

Reg 708 soaked in conc HNO_3 Mtfcl 15 minutes all poured off that possible, washed twice quick in smaller Evap dish then. Thrown in largest hemisphere Evap dish full water — changed water twice then final washed with hot water — dried all night natural Temp dish Cake, Color same as before treated, Square flake No 2

21% ROH.

11th Lake 4.0 — 271 drops 10 drops 7.832

Green 24.2

8132 — 267 " 10 drops 7.720

#1034 Glycerine.

2 tubes

8133

Dup 8131

21% ROH. 2 grams L.Dil.

25 c.c. sample Wt 7.730

8134 25 c.c. Wt 7.820

8135

Dup 8133

Except # 2 Flake Cut by scissors
But reversed tube made Cathode
against the Can for 4 hours —
Then Changed from Irregular
21/2 KOH, 2 gms LiOH —

Flake 4.1
Greyish 24.2
Pig iron.

	250 dumps	Lot	7.680
8136 —	250	Lot	7.710

8137

Edison No 6 — B. Nicols Exposure

Reg tubes 3½. 277

4 No 2 of Coke 24 grams

21% No 41

Flake 41

Brew 23.7

8138 Big grams

8139

240 dumps Coal 7253

241 - Coal 7255

243 - Coal 7325

8140

Dup 8137

2½% KOH, 2 gms Li ~~OAc~~ each cell

	242 plus/plus	COP	7.829
8141	237 -	COP	7.231
8142	238 -	COP	7.229

~~8143~~

Communal

Book 13

23.5 / 70 } 77

24.3 / 74 } 76.6

23.8 / 70 } 77.2

23.9 / 70 } 77.3

23.5 / 73 } 76.5

24.3 / 69 } 77.8

23.4 / 74 } 76

23.8 / 69 } 77.5

24.0 / 69 } 77.6